

#include <stdio.h>

#include <sys/types.h>

#include <sys/socket.h>

#include <netinet/in.h>

#include <netdb.h>

#include <arpa/inet.h>

#define ADDRESS "127.0.1.1"

**int**

main()

{

**struct** hostent \*host;

**struct** in\_addr addr;

addr.s\_addr = inet\_addr(ADDRESS); //將127.0.1.1轉換後存入addr

//利用gethostbyaddr函式取得addr(127.0.1.1)的host

host = gethostbyaddr((**const** **char** \*)&addr.s\_addr,

**sizeof**(addr.s\_addr), AF\_INET);

//如果host無法取得(等於空值)，發出警告並回傳1

**if** (host == NULL) {

herror("gethostbyaddr");

**return** 1;

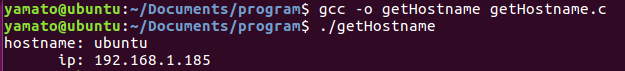
}

//印出host的名字(name)

printf("%s\n", host->h\_name);

**return** 0;

}



#include <stdio.h>

#include <sys/socket.h>

#include <netdb.h>

#include <unistd.h>

#include <netinet/in.h>

#include <arpa/inet.h>

#include <stdlib.h>

//未使用

**void** handler(**int** sig){

printf("recv a sig=%d\n",sig);

exit(EXIT\_SUCCESS);

}

//警告並離開

#define ERR\_EXIT(m) \

        do{ \

                perror(m); \

                exit(EXIT\_FAILURE);\

        }while(0);

**int** main(**void**)

{

//取得host名並存入陣列host

**char** host[100] = {0};

**if**(gethostname(host,**sizeof**(host)) < 0){

ERR\_EXIT("gethostname");

}

//利用host名取得host

**struct** hostent \*hp;

**if** ((hp=gethostbyname(host)) == NULL){

ERR\_EXIT("gethostbyname");

}

//連續輸出host的名字和ip

**int** i = 0;

**while**(hp->h\_addr\_list[i] != NULL)

{

printf("hostname: %s\n",hp->h\_name);

printf(" ip: %s\n",inet\_ntoa(\*(**struct** in\_addr\*)hp->h\_addr\_list[i]));

i++;

}

**return** 0;

}